

# Notice No.1

## Rules and Regulations for the Classification of Ships for Service on the Great Lakes and River St.Lawrence July 2016

The status of this Rule set is amended as shown and is now to be read in conjunction with this and prior Notices. Any corrigenda included in the Notice are effective immediately.

Issue date: August 2016

Amendments to	Effective date
Chapter 4, Section 5	Corrigenda
Chapter 4, Section 6	Corrigenda
Chapter 4, Section 11	Corrigenda
Chapter 4, Section 12	Corrigenda
Chapter 4, Section 13	Corrigenda
Chapter 4, Section 14	Corrigenda

## Chapter 4 Ship Structures

### ■ Section 5 Shell envelope plating

#### 5.3 Bottom shell and bilge

5.3.1 The thickness of the bottom and bilge shell plating is to be not less than the minimum values given in *Table 1.5.2 Bottom shell and bilge plating* of the Rules for Ships using  $C_{WL}$  as per *Ch 4, 5.1 General 5.1.3*.

#### 5.4 Side shell and sheerstrake

5.4.1 The midship thickness of the side shell and sheerstrake plating is to be not less than the minimum values given in *Table 1.5.3 Side shell plating* of the Rules for Ships using  $C_{WL}$  as per *Ch 4, 5.1 General 5.1.3*.

### ■ Section 6 Shell envelope framing

#### 6.2 Longitudinal framing

6.2.1 The scantlings of the bottom and side shell longitudinals in the midship region are to comply with the requirements given in *Table 1.6.1 (a) Shell framing (longitudinal)* of the Rules for Ships using  $C_{WL}$  as per *Ch 4, 6.1 General 6.1.3*.

#### 6.3 Transverse framing

6.3.1 The scantlings of main and 'tween deck frames in the midship region are to comply with the requirements given in *Table 1.6.3 Shell framing (transverse)* of the Rules for Ships using  $C_{WL}$  as per *Ch 4, 6.1 General 6.1.3*.

### ■ Section 11 Superstructures, deckhouses and machinery space openings

#### 11.2 Machinery space openings

11.2.2 Any funnel or machinery space ventilator that must be kept open for the essential operations of the ship shall have coamings of a height above deck of at least ~~3,81 m~~ 3,8 m in Position 1 and ~~4,83 m~~ 1,8 m in Position 2.

### ■ Section 12 Closing arrangements for deck and shell

#### 12.4 Stiffeners

12.4.1 The scantlings and strength criteria of the hatch cover stiffeners are to be as follows:

- (a) For ships ~~40,7 m~~ 110 m in length and greater, calculated with design loading for Position 1, not less than 1,22 tonne-f/m<sup>2</sup> (12 kPa) and for Position 2, not less than 0,97 tonne-f/m<sup>2</sup> (9,6 kPa), with an equivalent design head of 1,70 m and 1,35 m respectively. The product of the maximum stress thus calculated and the factor of 4,25 shall not exceed the minimum tensile strength of the material, with the maximum permissible deflection limited to not more than 0,0028 times the span.
- (b) For ships 24,1 m in length, the design loading on the hatch cover for Position 1, may be 0,97 tonne-f/m<sup>2</sup> (9,6 kPa) and for Position 2, may be 0,73 tonne-f/m<sup>2</sup> (7,2 kPa) with an equivalent design head of 1,35 m and 1,01 m respectively.
- (c) For intermediate lengths the values shall be obtained by linear interpolation.

The maximum permissible shear stress criteria shall be as per *Table 11.2.3 Effective breadth  $e$  m of plating of primary supporting members* of the Rules for Ships.

#### 12.5 Hatch coamings

12.5.6 The height of the coamings above the upper surface of the deck, for hatchways, closed by covers secured weathertight by clamping devices shall be:

Position 1 (as defined in *Ch 4, 1.4 Definitions 1.4.6*) – 460 mm

Position 2 (as defined in *Ch 4, 1.4 Definitions 1.4.6*) – ~~305 mm~~ 300 mm

## ■ Section 13 Ventilators, air pipes and discharges

### 13.3 Ventilators

13.3.3 The requirements of *Pt 3, Ch 12, 2.2 Coamings* of the Rules for Ships are to be complied with, except the coaming height for ventilators in Position 1 and 2 shall be 760 mm and ~~610 mm~~ 600 mm, respectively.

13.3.4 All ventilator openings are to be provided with efficient, permanently attached, weathertight closing appliances unless, in Position 1 and 2, the coaming height exceeds ~~3,81 m~~ 3,8 m and ~~1,83 m~~ 1,8 m above the deck, respectively.

### 13.4 Air pipes

13.4.1 The requirements of *Pt 3, Ch 12, 3 Air and sounding pipes* of the Rules for Ships are to be complied with, except the coaming height for air pipes in Position 1 and 2 shall be 760 mm and ~~305 mm~~ 300 mm respectively.

## ■ Section 14 Equipment

### 14.7 Windlass design, testing and structural requirements

14.7.1 The windlass design, testing and structural requirements are to be in accordance with ~~*Pt 3, Ch 13, 7.6 Towlines and mooring lines for ships over 90 m in length*~~ *Pt 3, Ch 13, 8 Windlass design and testing* of the Rules for Ships.

### 14.8 Testing of equipment

14.8.1 Equipment is to be tested in accordance with ~~*Pt 3, Ch 13, 8.1 Windlass design*~~ *Pt 3, Ch 13, 8.9 Testing of equipment* of the Rules for Ships.

### 14.9 Structural arrangements of windlass and chain lockers

14.9.1 The structural arrangements of the windlass and the chain lockers are to be in accordance with ~~*Pt 3, Ch 13, 8.8 Winch design and testing*~~ *Pt 3, Ch 13, 8.10 Structural requirements associated with anchoring* of the Rules for Ships.

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